

FIG. 1

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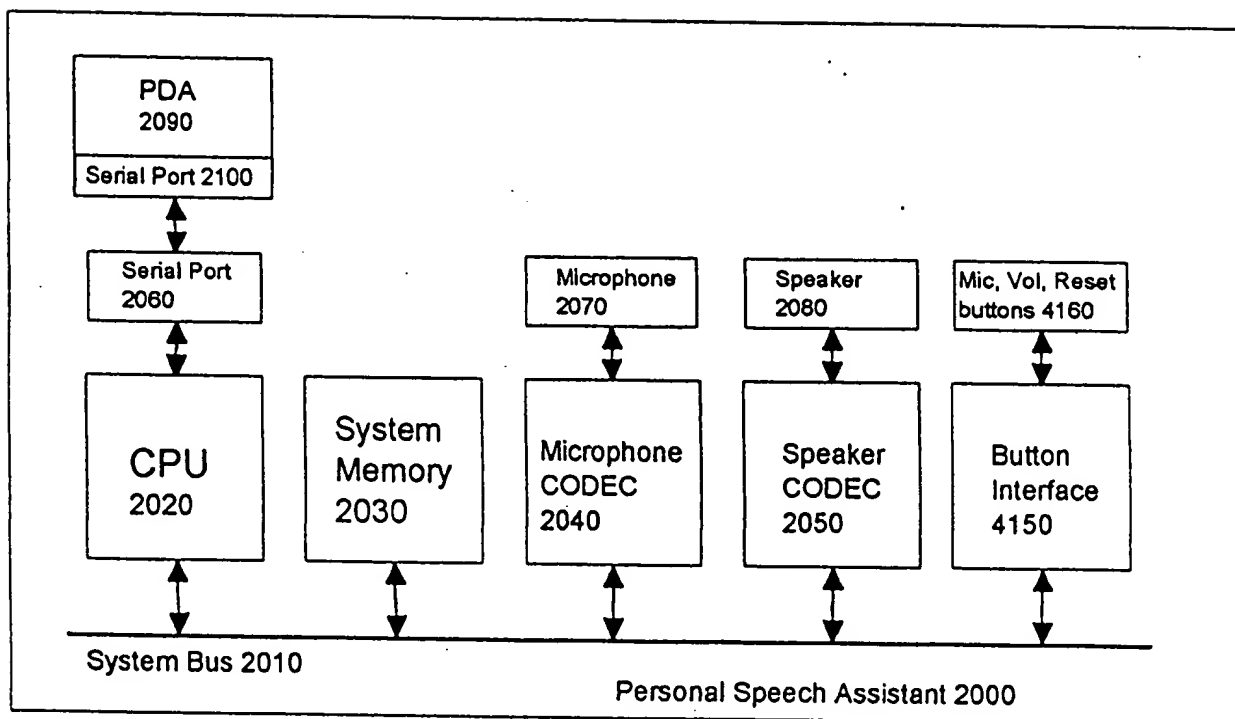


FIG. 2

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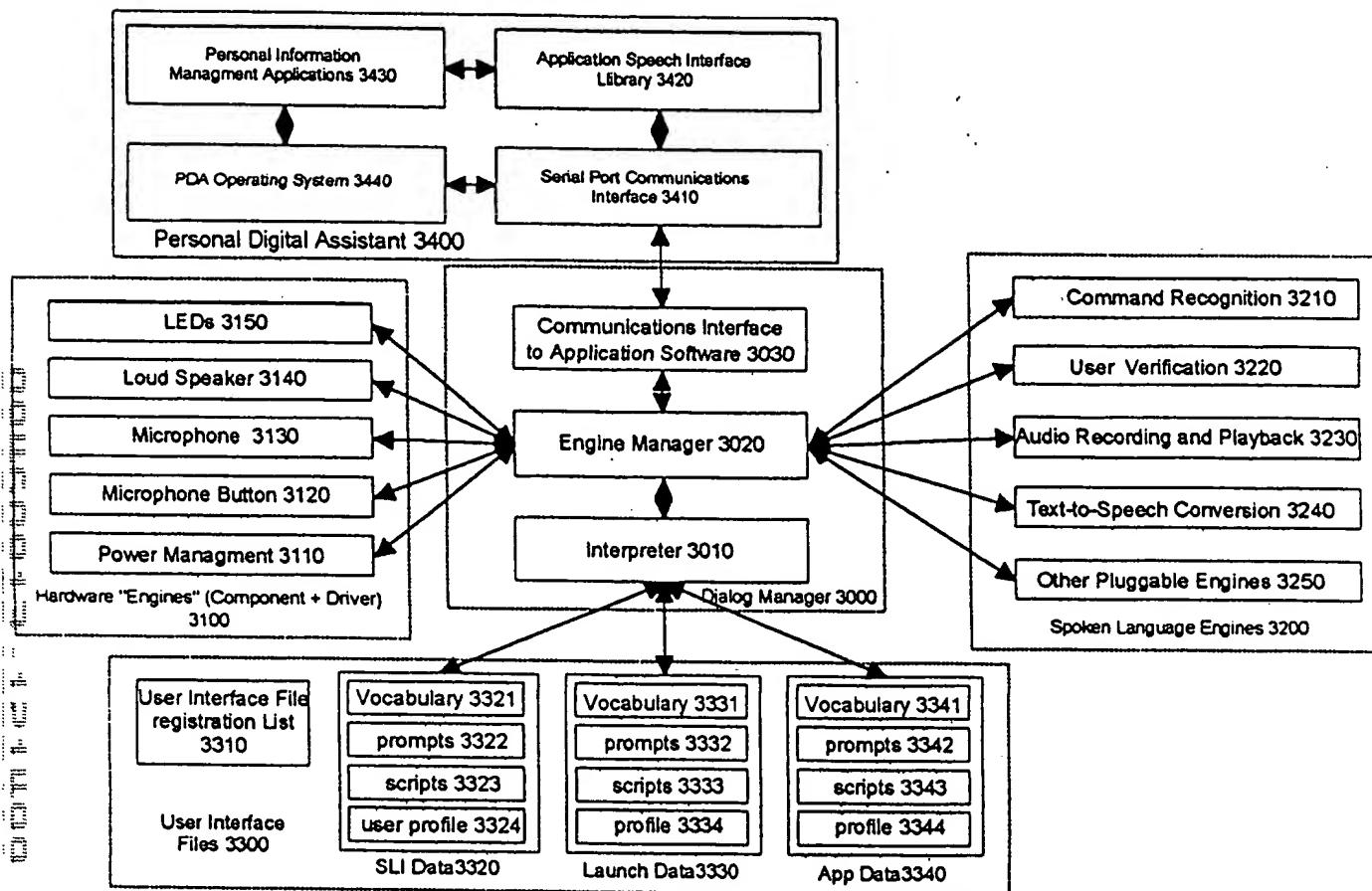


FIG. 3

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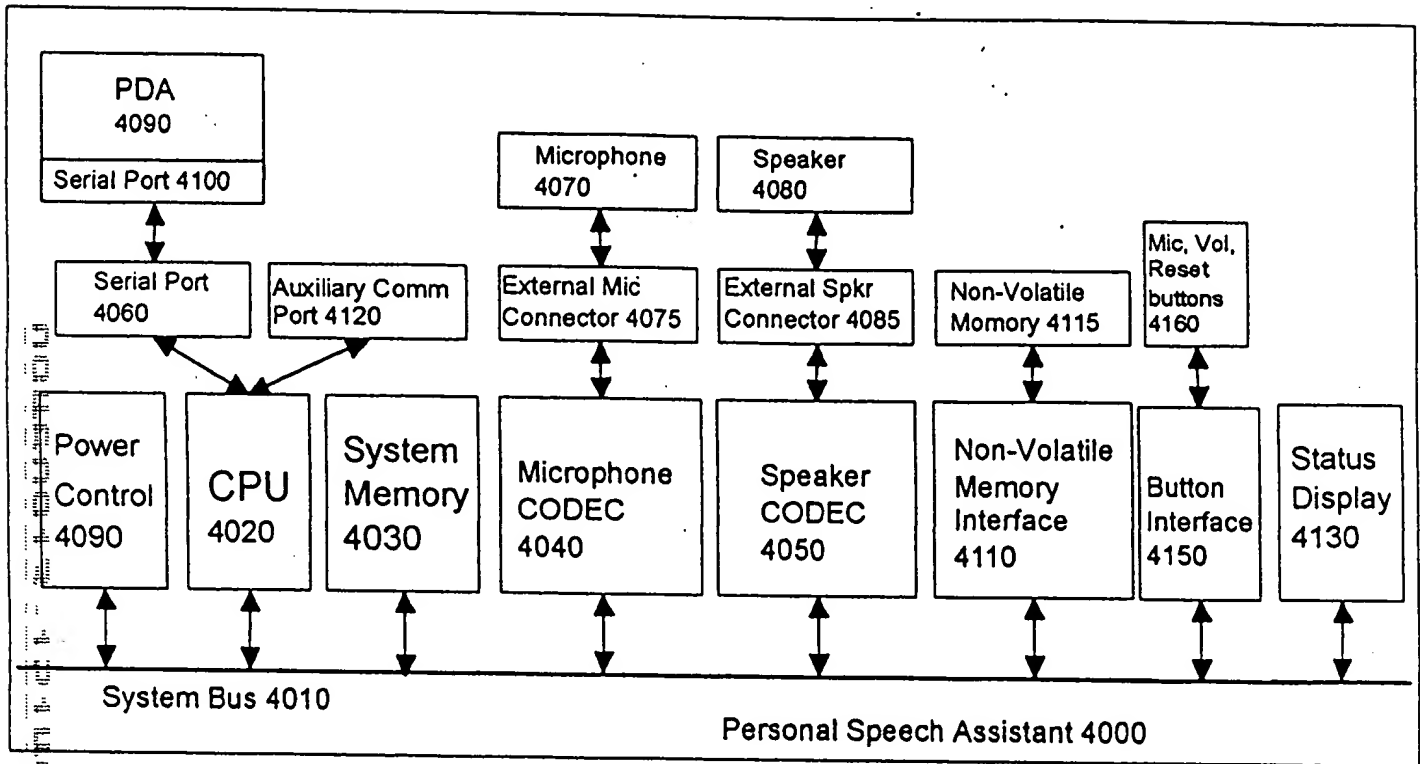


FIG. 4

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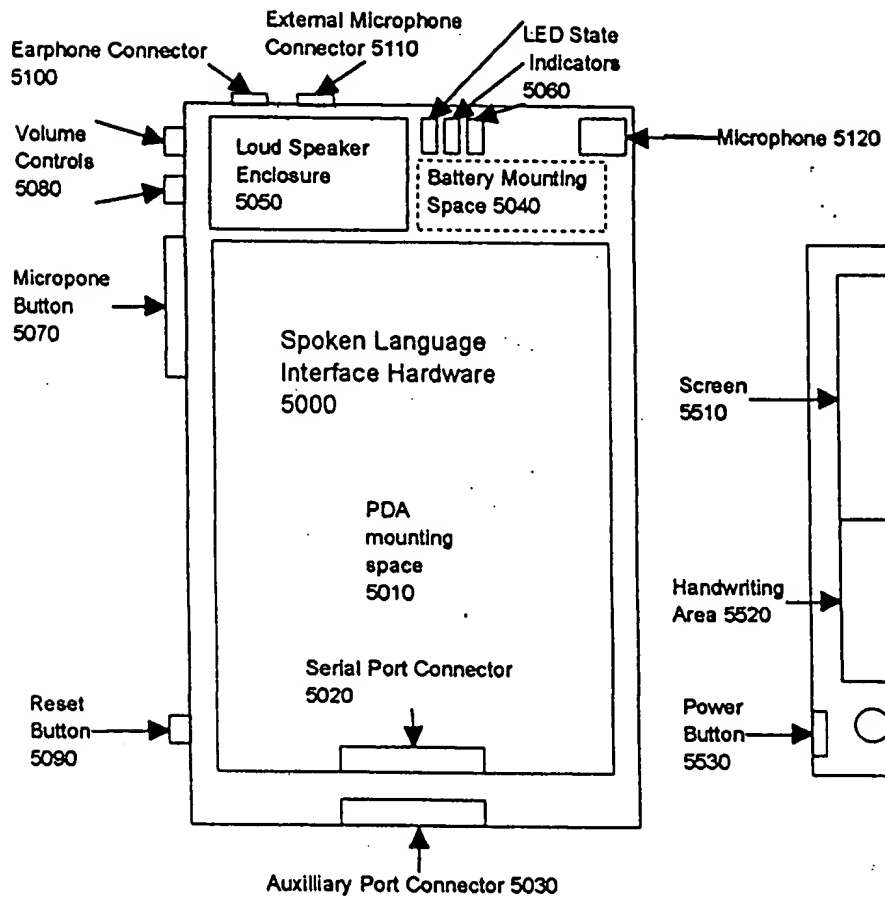


FIG. 5

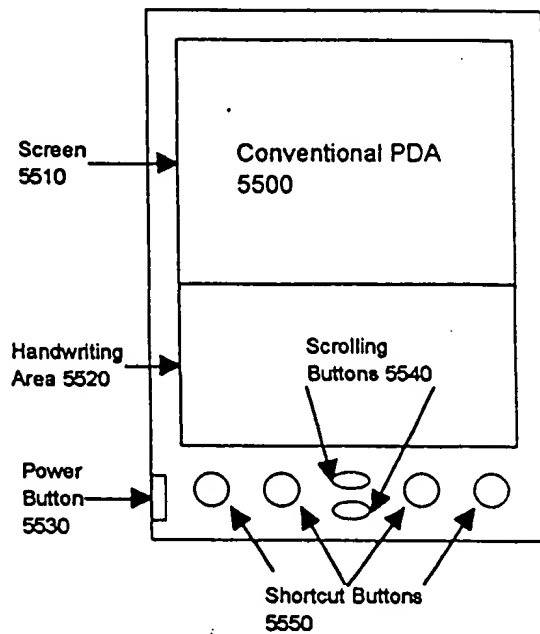


FIG. 6

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#### GLOBALLY AVAILABLE ELEMENTS

{dialog\_manager}  
root.voc  
root.pmt  
hardware\_default.prf

{application\_launch}  
launch.voc

#### REGISTERED APPLICATIONS

{address\_book}  
addVappl.voc  
addVappl.pmt  
addres.prf

{memo\_editor}  
memVappl.voc  
memVappl.pmt

{date\_book}  
datVappl.voc  
datVappl.pmt  
dates.fsg  
times.fsg

FIG. 7

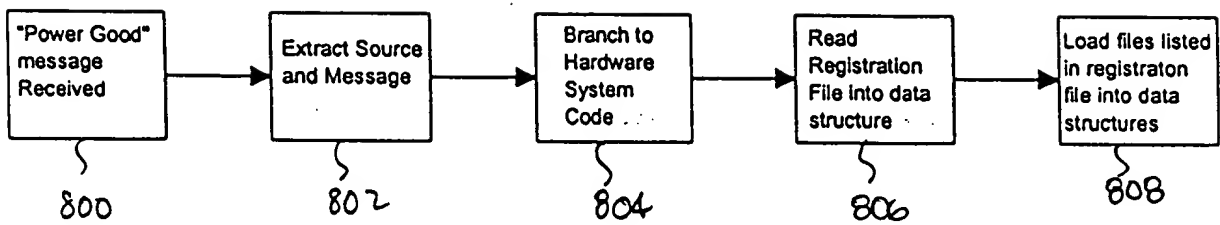


FIG. 8

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mic_type	1
enable_shutdown	0
power_time_out	120000
shut_down_beep	1
echo_commands	0
prompt_on_not_recognized	1
prompt_on_low_spoken_volume	1
start_up_gender	0
start_up_volume	85
start_up_speed	75
start_up_roughness	10
start_up_breathiness	10
start_up_headsize	40
start_up_pitchfuctuation	50
start_up_pitchbaseline	65
start_up_quality	100

FIG. 9



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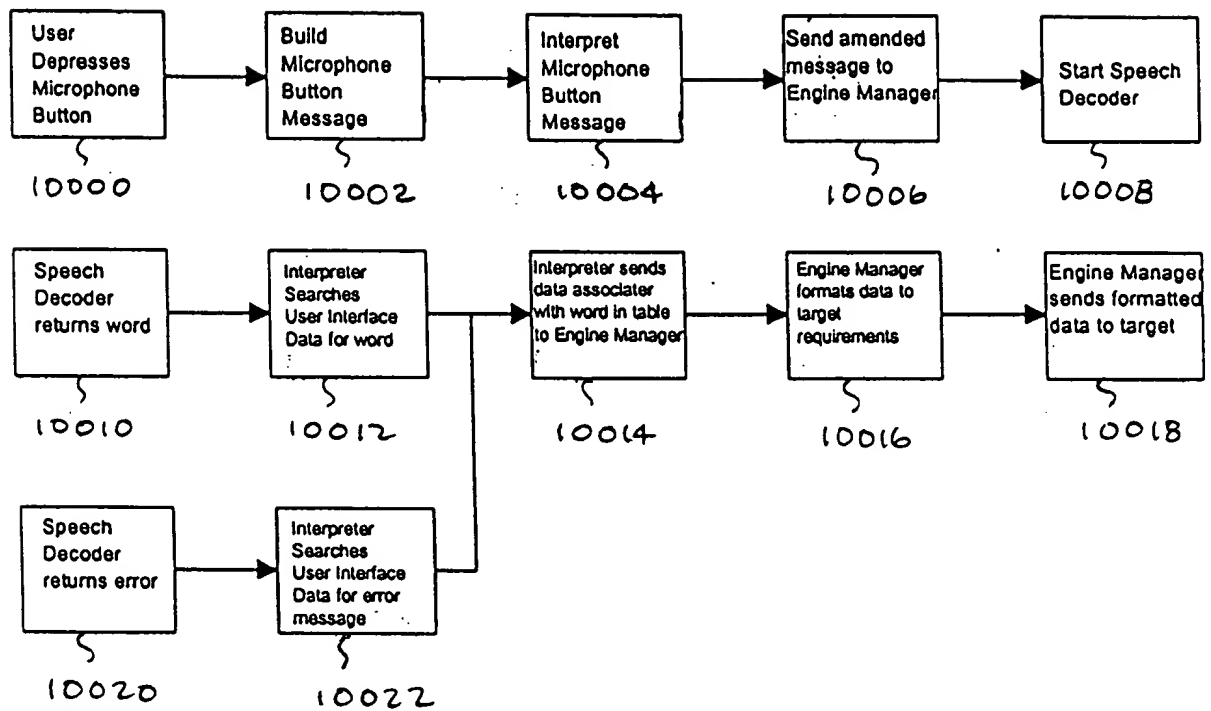


FIG. 10

new	nw	null
scroll_up	su	10
scroll_down	sd	10
top	to	null
bottom	bo	null
next	nx	null
previous	pr	null
edit_entry	ed	null
done	ok	null
repeat	rp	1
list_all_entries	al	null
list_all_names	an	null
address_please	ad	null
address	ad	null
what_is_the_address	ad	null
continue	co	null
stop_reading	nop	x
find_homer_simpson	fi	simpson
find_Ed_Smith	fi	smith
find_David_Frank	fi	frank

typedef struct

```
{
    char *  command_target;
    char *  spoken_command[CMDMAX];
    char *  command_string[CMDMAX];
    char *  data_string[CMDMAX];
    short   array_length;
} COMMAND_VOCAB;
```

FIG. 11A

FIG. 11B

empty	the_list_is_empty
nomore	there_are_no_more_items
atop	you_are_at_the_top_of_the_list
emptyaddress	there_is_no_address_for_this_entry
noneselected	no_entry_selected
many	there_are_%1_people_named_%2_on_the_list

```
typedef struct
{
    char * index_string[PROMPTMAX];
    char * prompt[PROMPTMAX];
    short array_length;
} PROMPT_LIST;
```

FIG. 12A

FIG. 12B

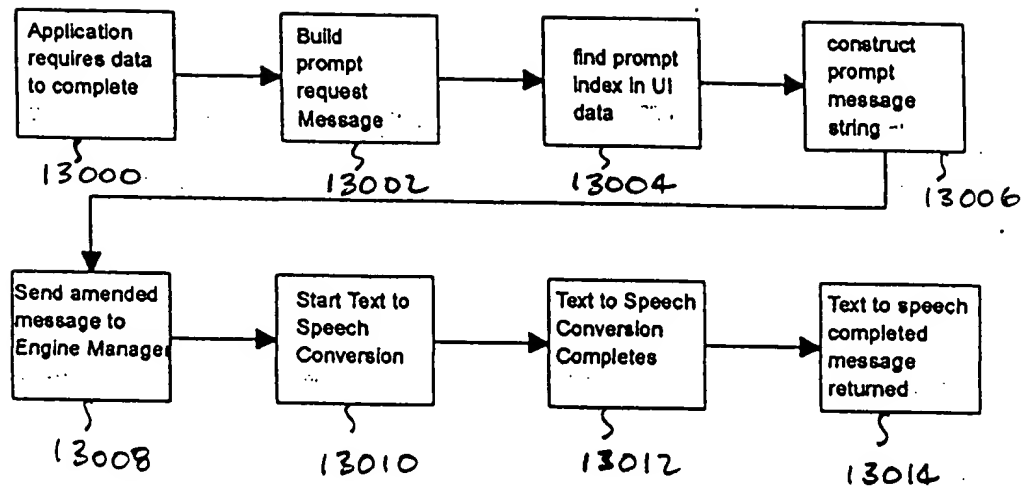


FIG. 13

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SCRIPT UI FILES ARE INDEX LISTS OF SCRIPTS

verify_user	python	{verify}
begin_dictation	python	{dictation}
dial_phone	python	{phone}
greetings	simple	{greet}
problems	inline	say_"Houston,_we_have_a_problem!",Shutdown;

FIG. 14A

BOOL Verify\_user()

```
{  
    engine_manager.mic_button_means(user_verification_engine);  
    text_to_speech.say("Please verify your identity by pressing the  
                        microphone button and speaking your name.");  
    ok = verification_engine.verify_user();  
    engine_manager.mic_button_means(command_recognition_engine);  
    return(ok);  
}
```

FIG. 14B

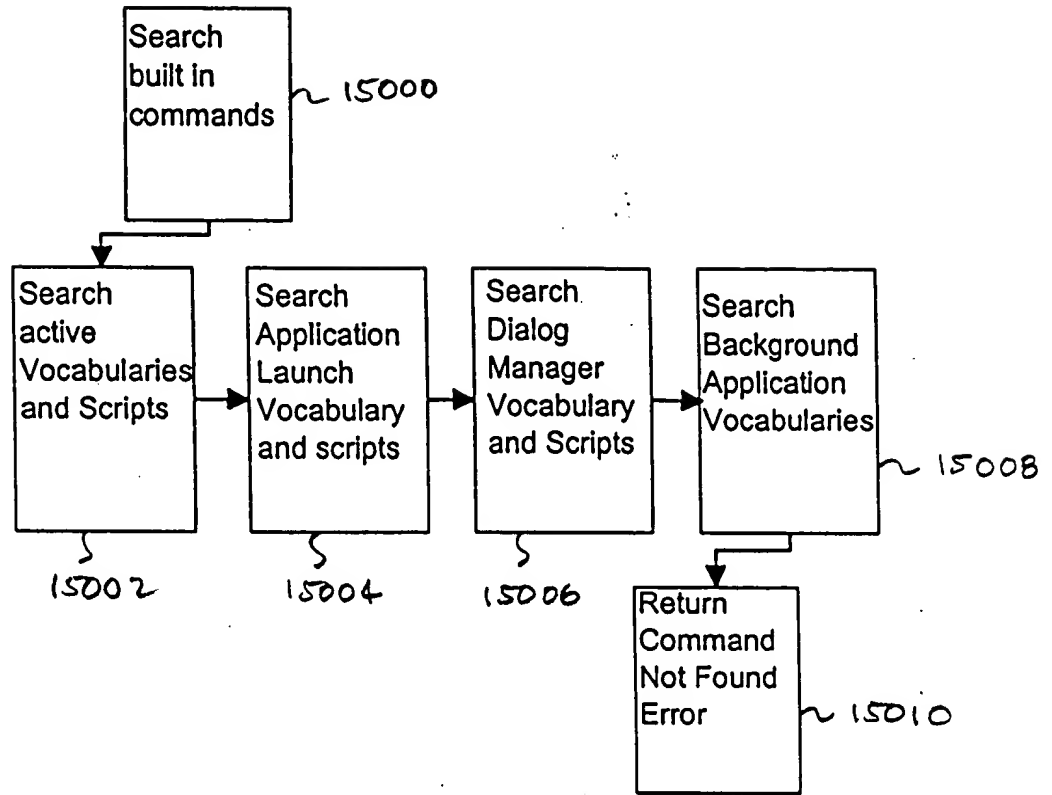


FIG. 15

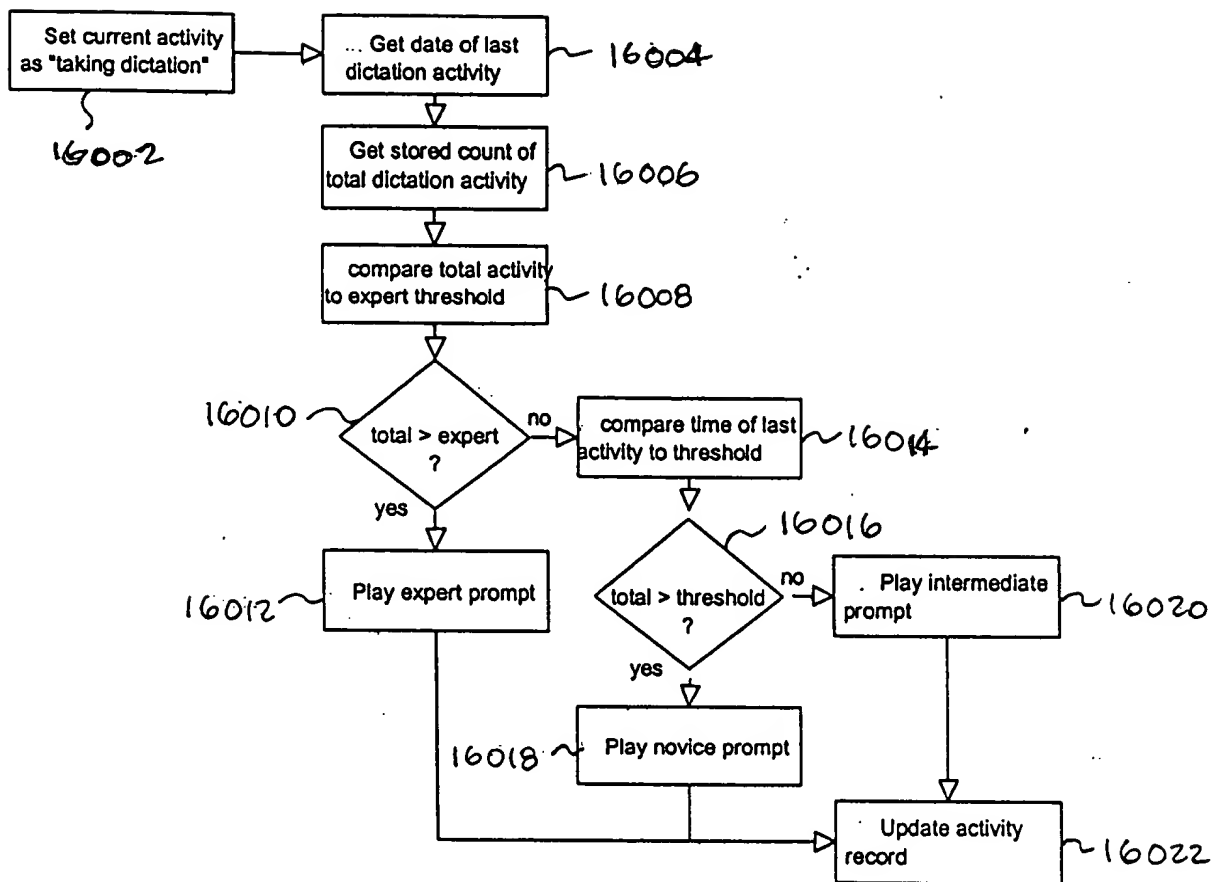


FIG. 16

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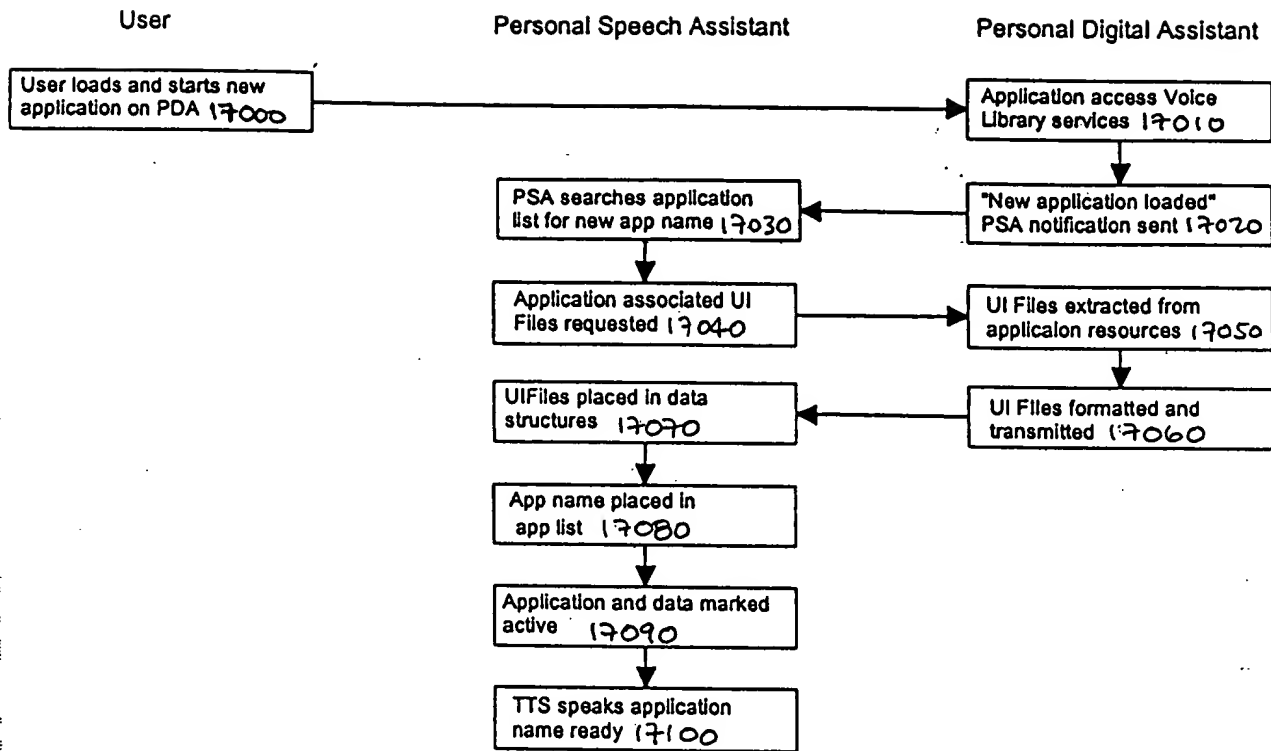


FIG. 17



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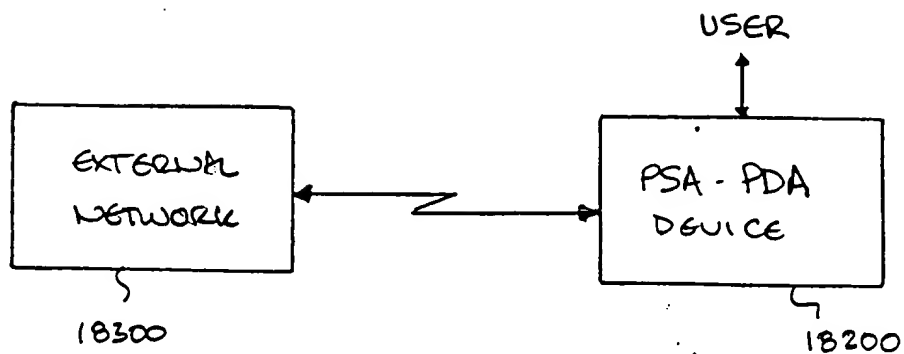


FIG. 18A

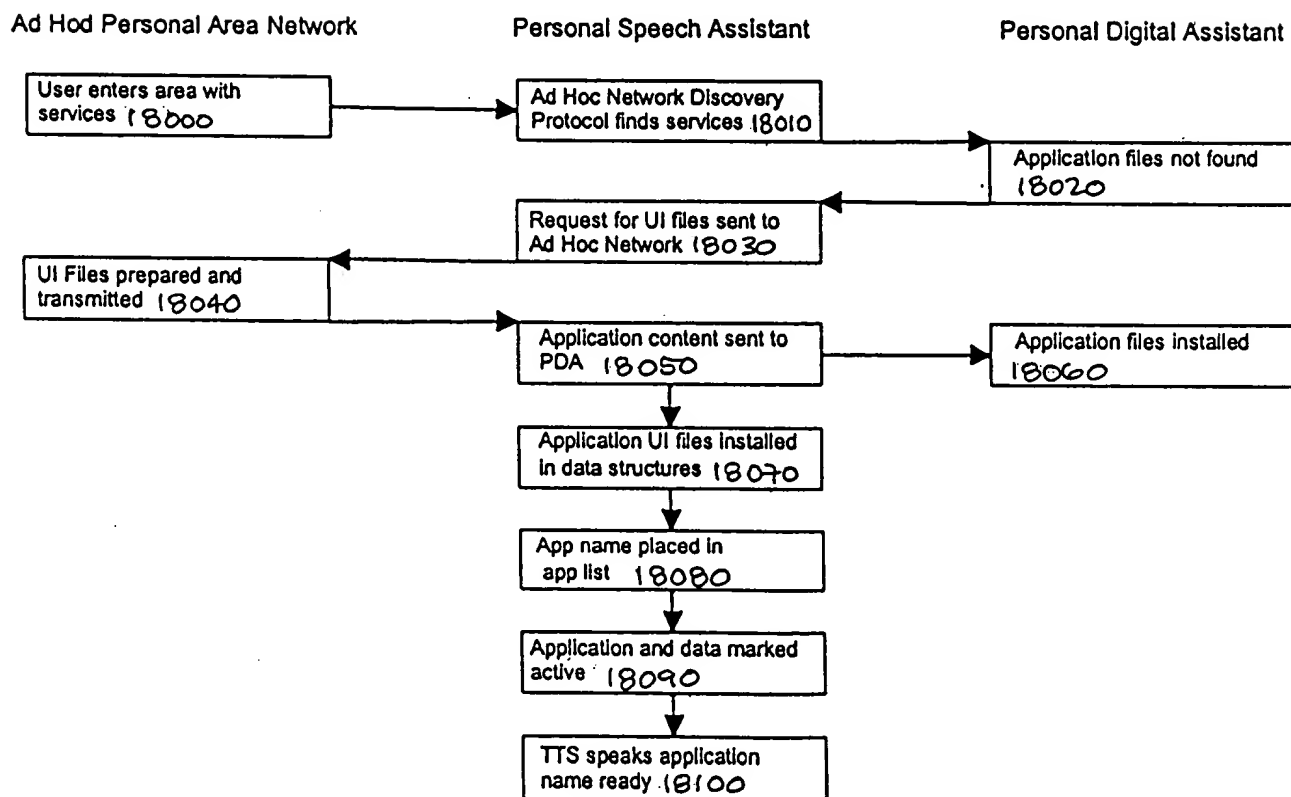


FIG. 18B